

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063261.D
 Acq On : 31 Jul 2019 2:27
 Operator : VA/AP
 Sample : K4049-11RE
 Misc : 3.97g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11RE

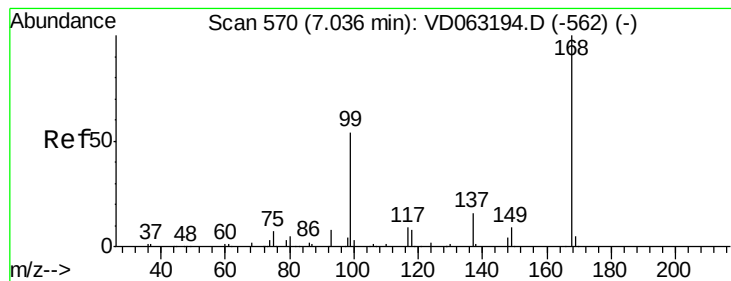
Quant Time: Jul 31 05:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1025073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1316758	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	846285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	342054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	389919	34.28	ug/l	0.00
Spiked Amount			Recovery	=	68.56%	
35) Dibromofluoromethane	6.91	113	436066	38.79	ug/l	0.00
Spiked Amount			Recovery	=	77.58%	
50) Toluene-d8	10.40	98	827281	32.88	ug/l	0.00
Spiked Amount			Recovery	=	65.76%	
62) 4-Bromofluorobenzene	13.55	95	274704	23.96	ug/l	0.00
Spiked Amount			Recovery	=	47.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	1390	2.785	ug/l #	69
20) Methylene Chloride	3.80	84	13209	1.475	ug/l	92
25) 2-Butanone	6.16	43	6852	3.081	ug/l #	56
31) Cyclohexane	7.03	56	19340	1.909	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	75689	6.298	ug/l #	53
37) Ethyl Acetate	6.16	43	7065	1.309	ug/l #	1
38) Carbon Tetrachloride	7.03	117	96466	5.332	ug/l #	15
44) Trichloroethene	8.53	130	69243	6.785	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	130077	114.018	ug/l #	3

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063261.D

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Instrument :

MSVOA_D

ClientSampleId :

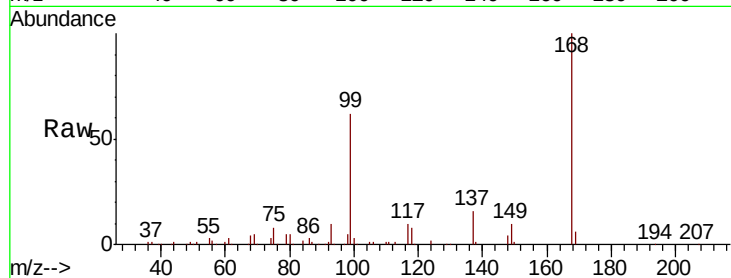
SP-11RE

Tot Ion:168 Resp: 1025073

Ion Ratio Lower Upper

168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

300000

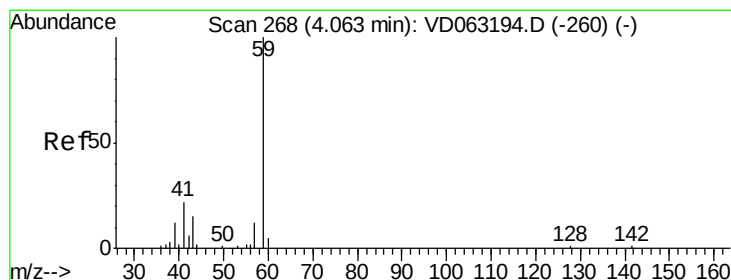
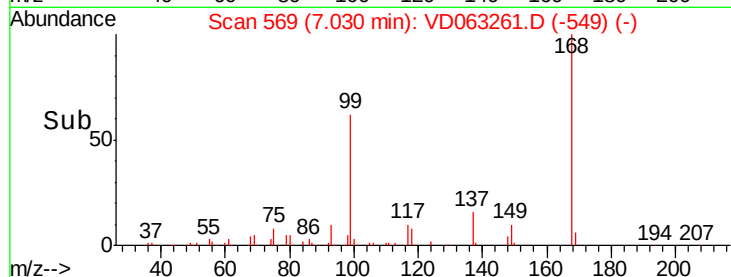
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.785 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063261.D

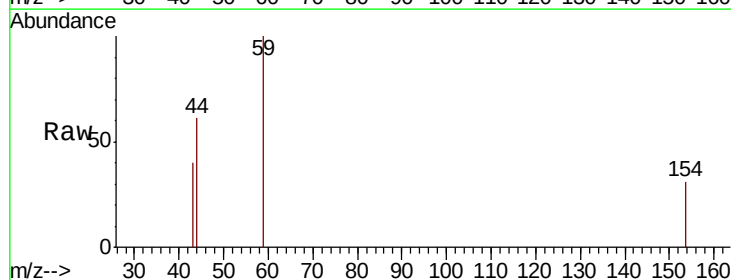
Acq: 31 Jul 2019 2:27

Tgt Ion: 59 Resp: 1390

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

1500

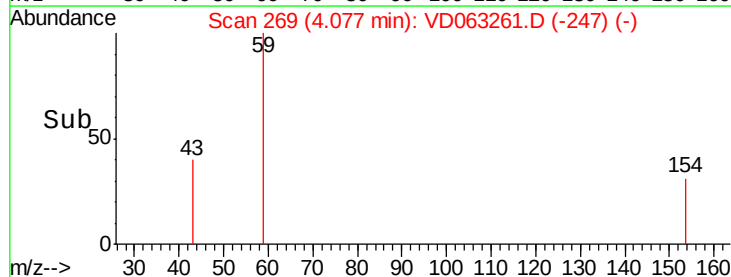
1000

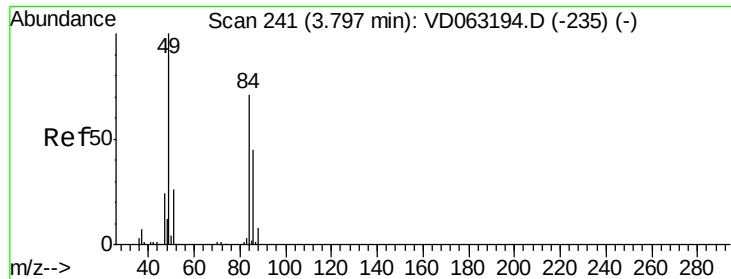
500

0

Time-->

4.05 4.10

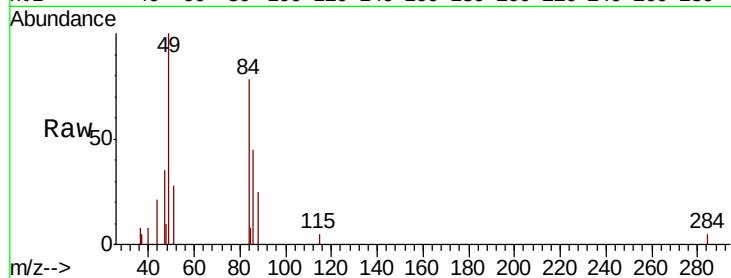




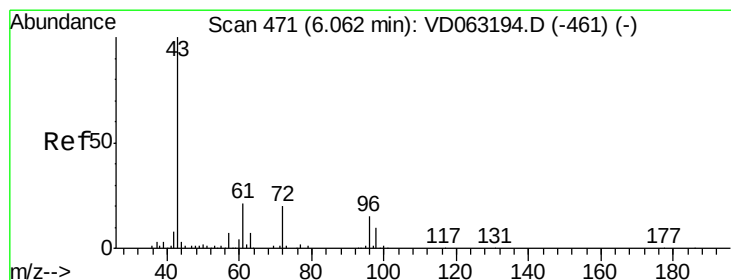
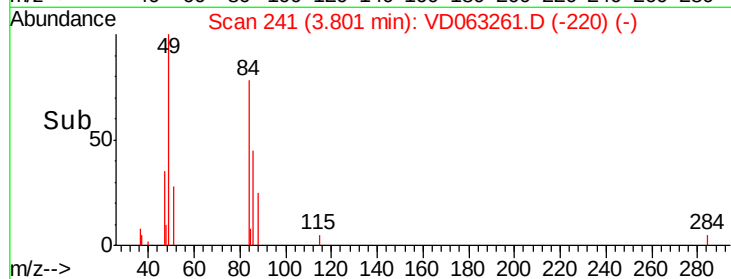
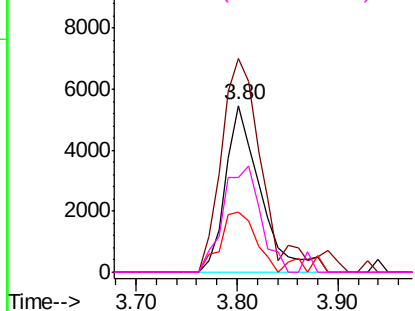
#20
Methylene Chloride
Concen: 1.475 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

Instrument :
MSVOA_D
ClientSampleId :
SP-11RE

Tot Ion:	84	Resp:	13209
Ion	Ratio	Lower	Upper
84	100		
49	128.0	112.5	168.7
51	36.0	29.6	44.4
86	57.2	50.4	75.6

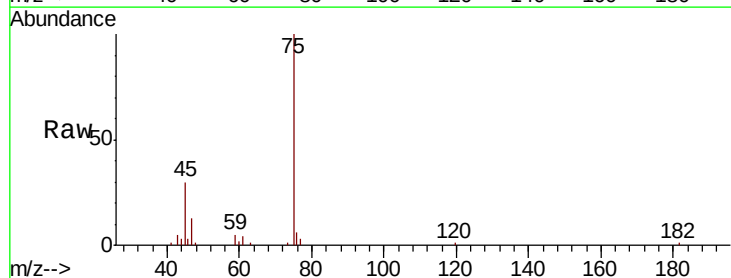


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

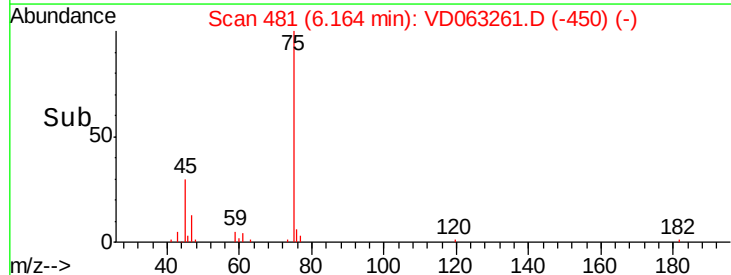
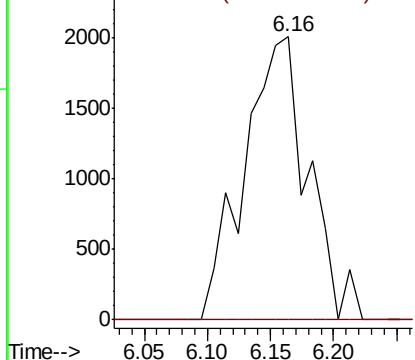


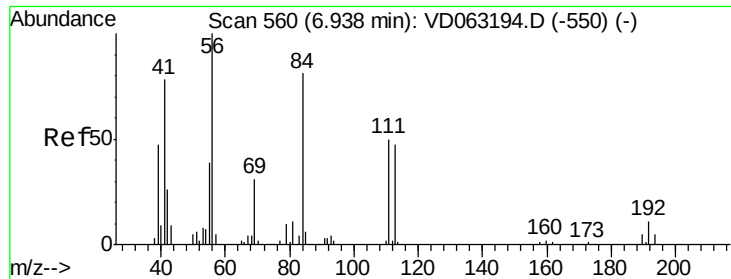
#25
2-Butanone
Concen: 3.081 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.10 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

Tgt Ion:	43	Resp:	6852
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.3	24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

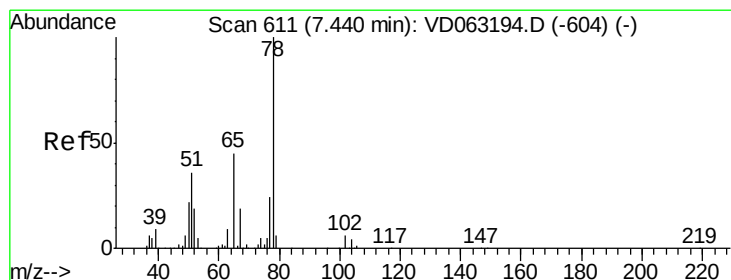
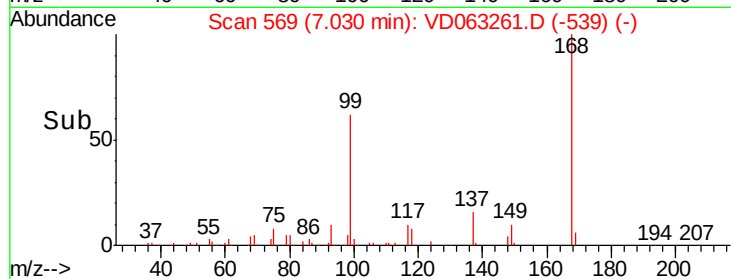
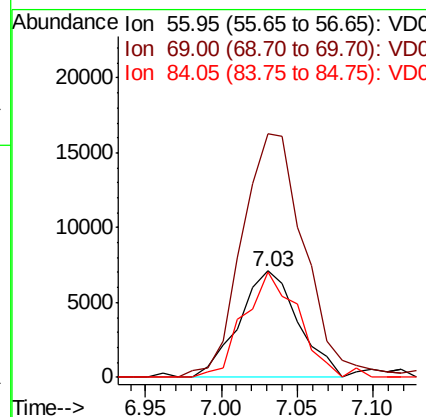
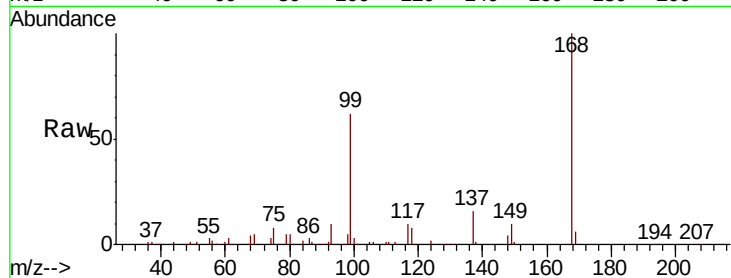




#31
Cyclohexane
Concen: 1.909 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

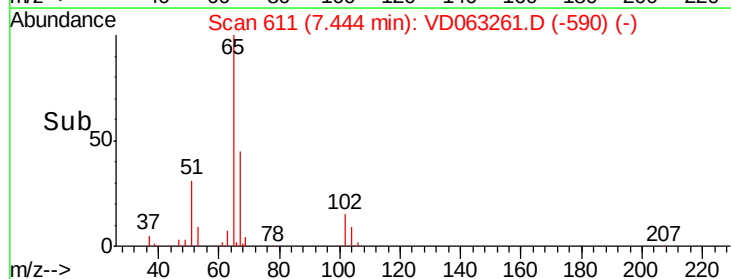
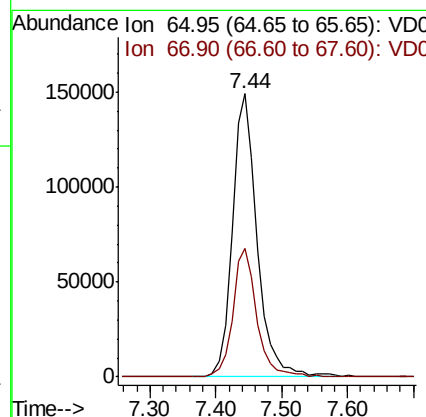
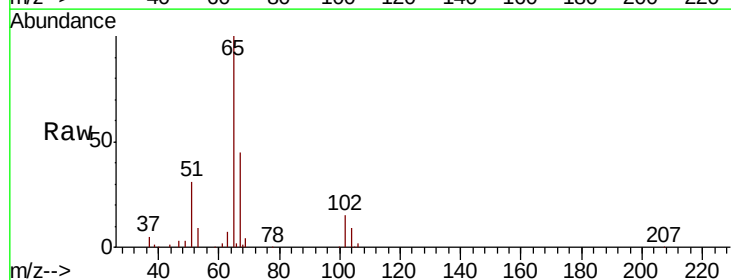
Instrument :
MSVOA_D
ClientSampleId :
SP-11RE

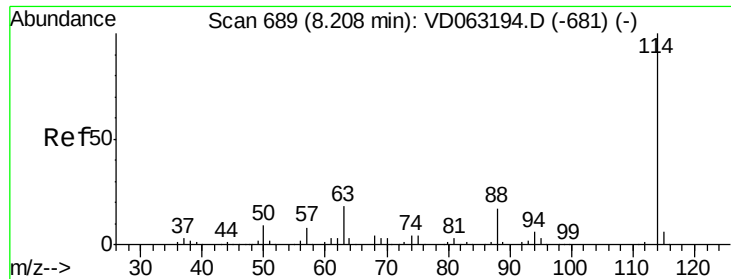
Tot Ion: 56 Resp: 19340
Ion Ratio Lower Upper
56 100
69 229.6 24.5 36.7#
84 99.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 34.281 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

Tgt Ion: 65 Resp: 389919
Ion Ratio Lower Upper
65 100
67 45.4 0.0 85.8

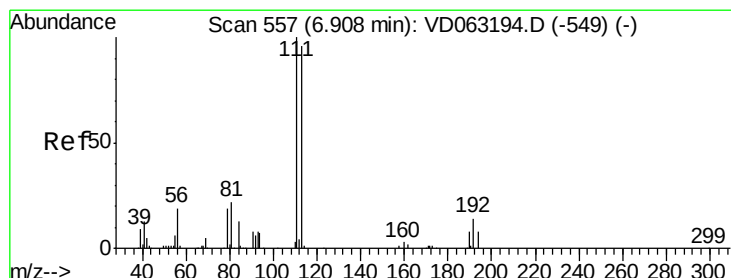
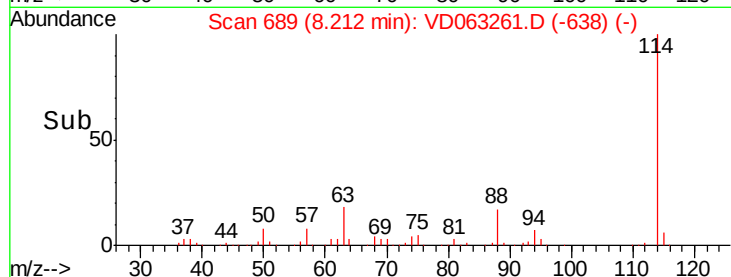
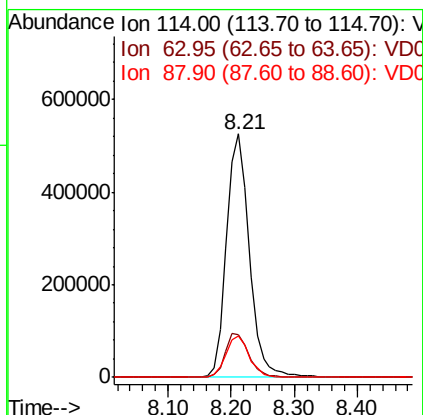
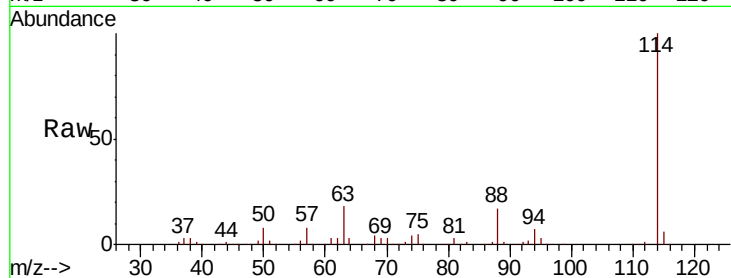




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063261.D
 Acq: 31 Jul 2019 2:27

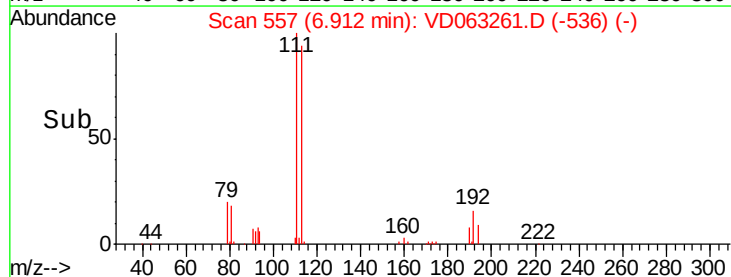
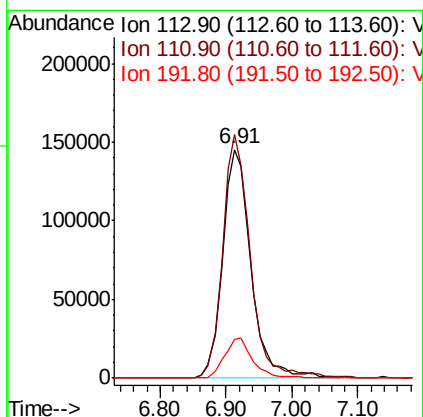
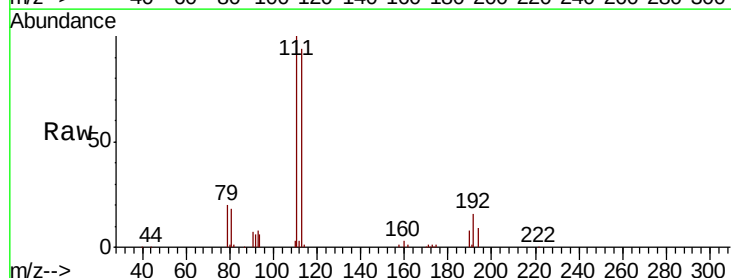
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11RE

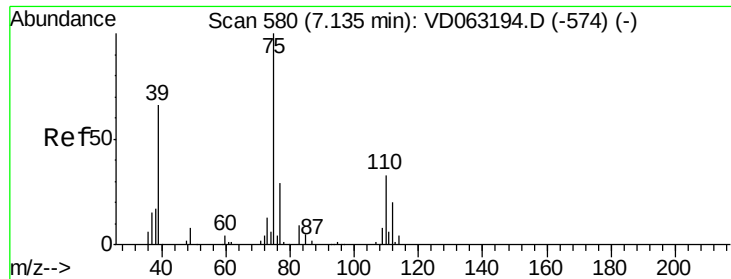
Tot Ion:114 Resp: 1316758
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 16.7 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 38.788 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063261.D
 Acq: 31 Jul 2019 2:27

Tgt Ion:113 Resp: 436066
 Ion Ratio Lower Upper
 113 100
 111 106.5 83.2 124.8
 192 17.2 11.8 17.8

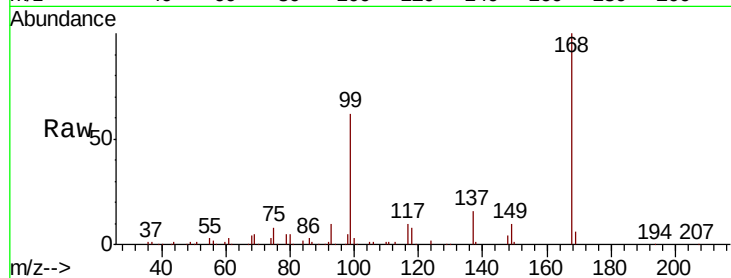




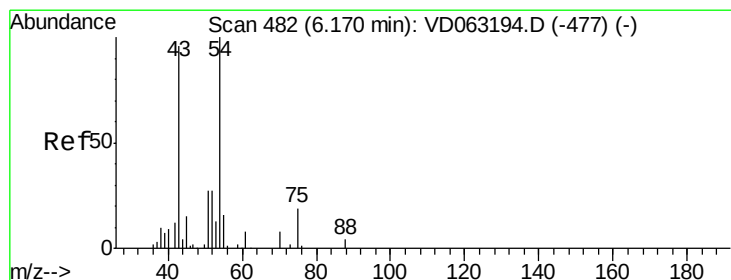
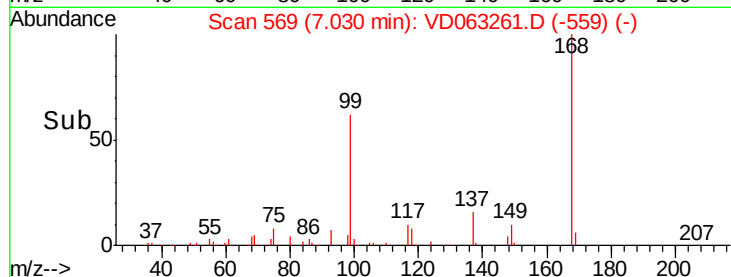
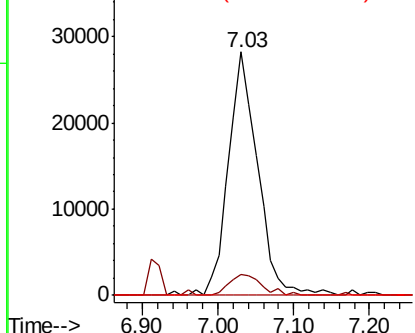
#36
 1,1-Dichloropropene
 Concen: 6.298 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063261.D
 Acq: 31 Jul 2019 2:27

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11RE

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.1	48.2#
77	0.0	22.7	34.1#

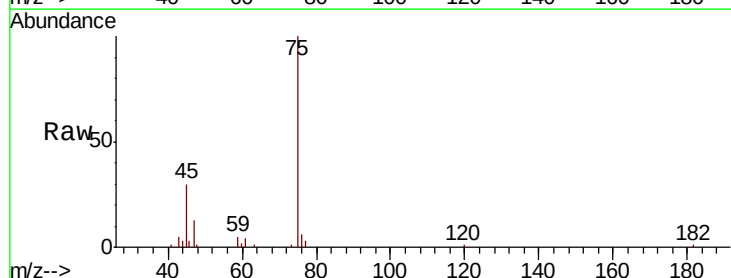


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

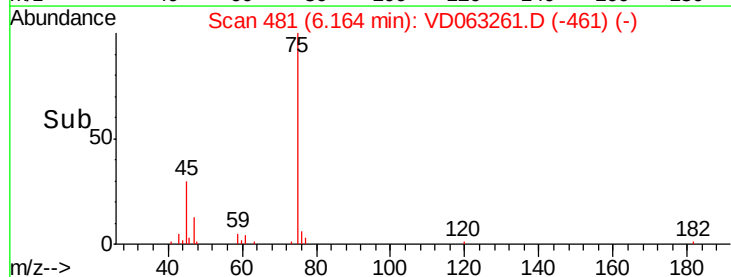
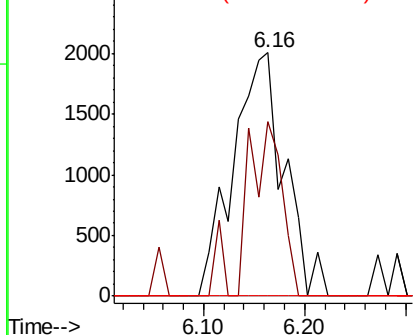


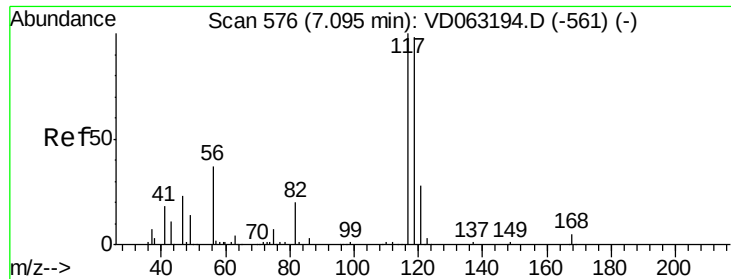
#37
 Ethyl Acetate
 Concen: 1.309 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD063261.D
 Acq: 31 Jul 2019 2:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	71.7	11.3	16.9#
70	0.0	5.1	7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.332 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063261.D

Acq: 31 Jul 2019 2:27

Instrument :

MSVOA_D

ClientSampleId :

SP-11RE

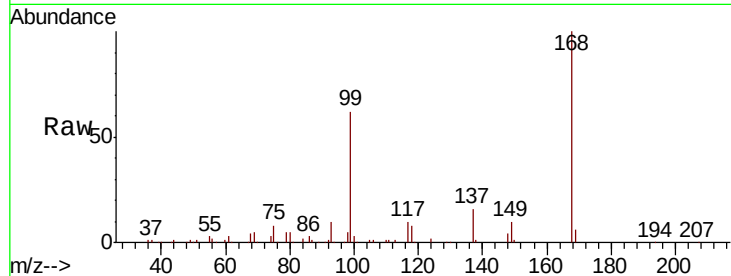
Tot Ion:117 Resp: 96466

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

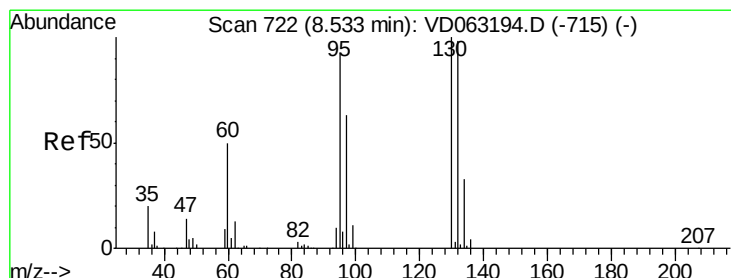
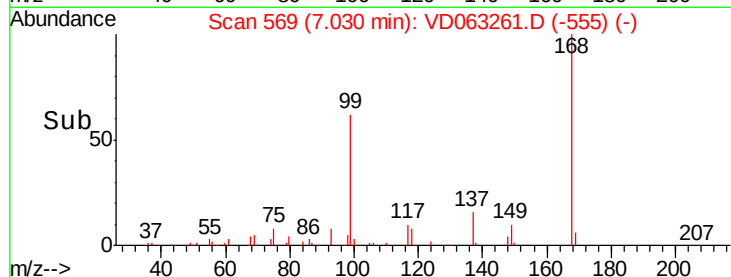
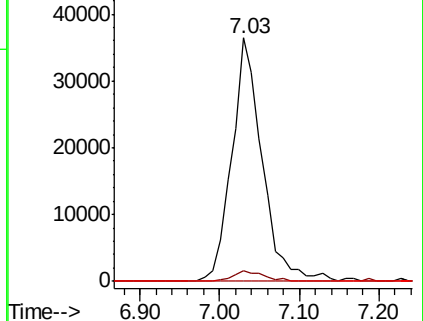
121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#44

Trichloroethene

Concen: 6.785 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063261.D

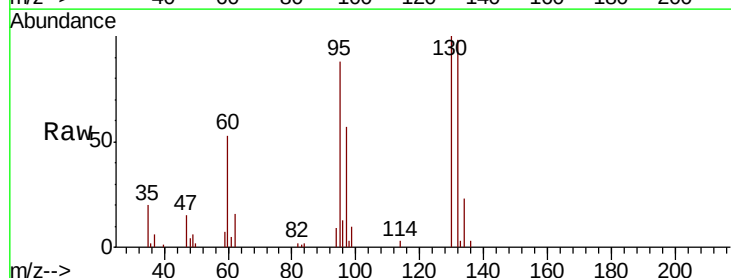
Acq: 31 Jul 2019 2:27

Tgt Ion:130 Resp: 69243

Ion Ratio Lower Upper

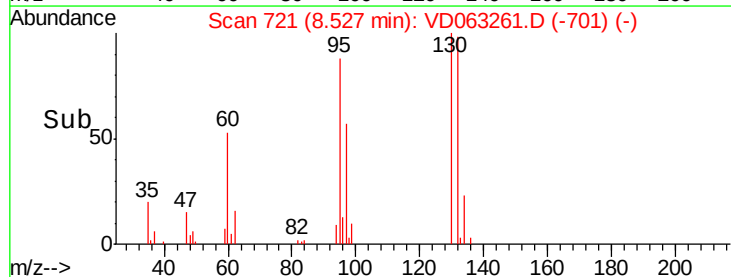
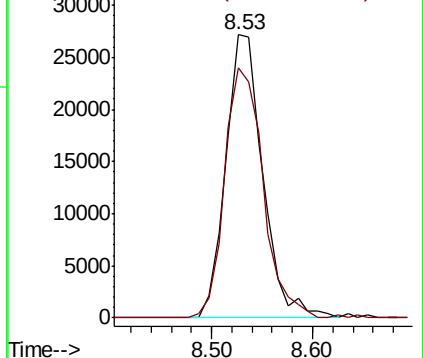
130 100

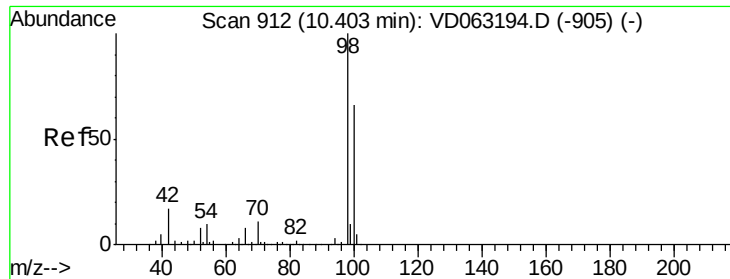
95 88.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

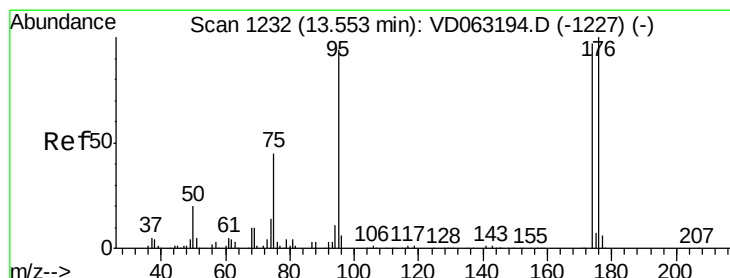
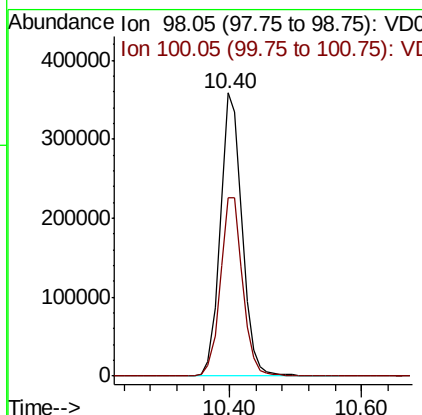
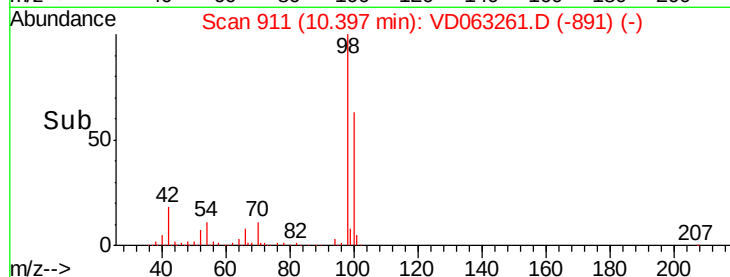
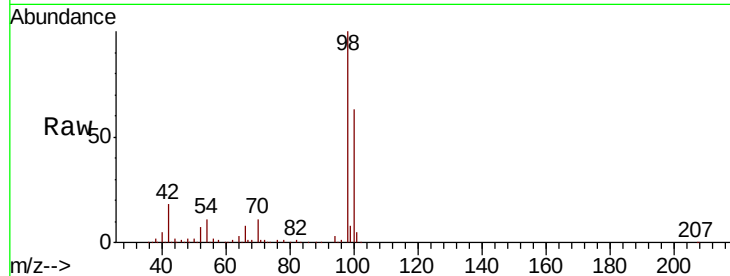




#50
Toluene-d8
Concen: 32.881 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

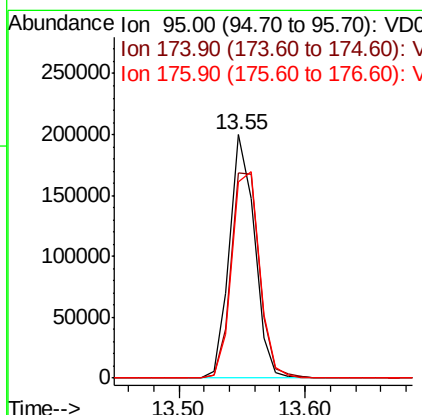
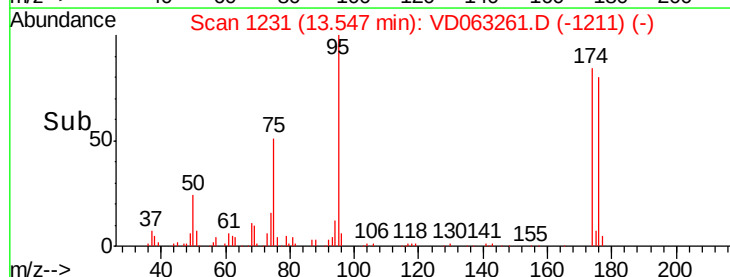
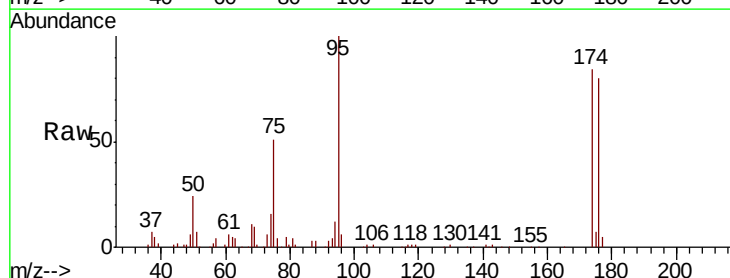
Instrument :
MSVOA_D
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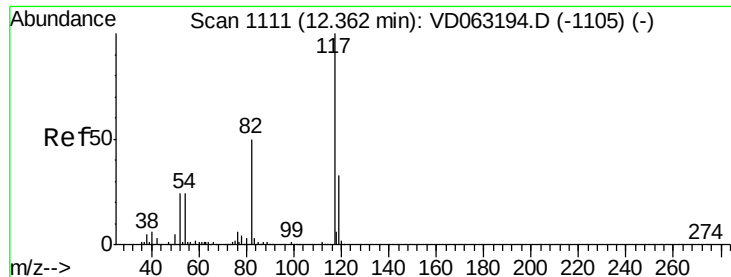
Tot Ion: 98 Resp: 827281
Ion Ratio Lower Upper
98 100
100 63.2 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 23.959 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

Tgt Ion: 95 Resp: 274704
Ion Ratio Lower Upper
95 100
174 84.4 0.0 205.4
176 80.4 0.0 211.8

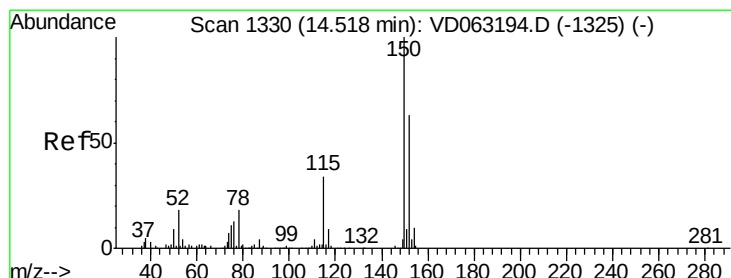
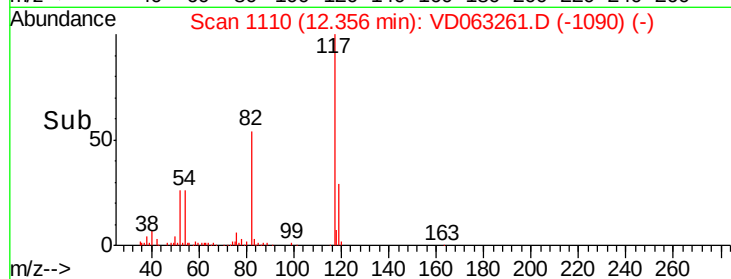
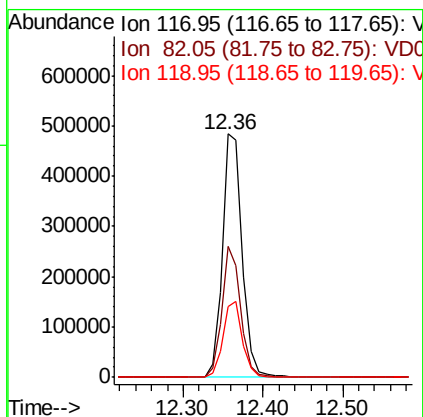
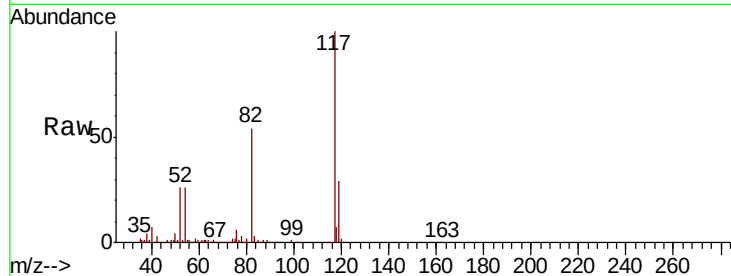




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

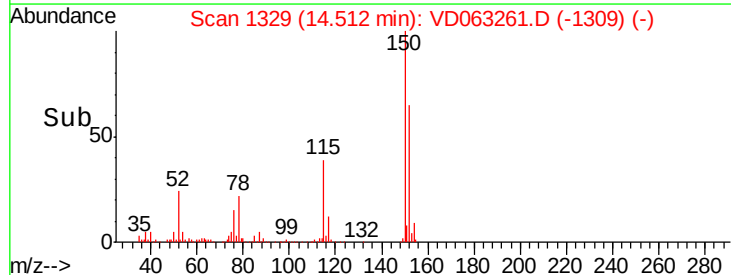
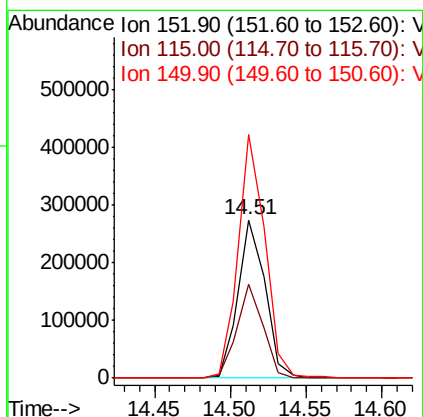
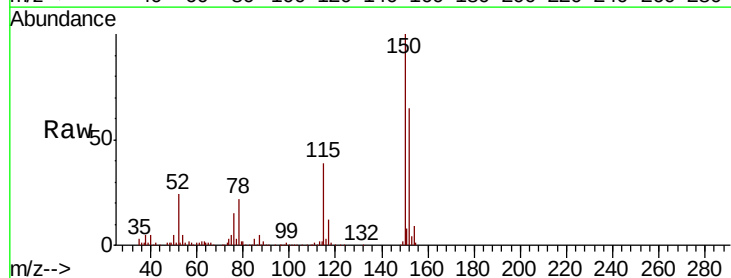
Instrument :
MSVOA_D
ClientSampleId :
SP-11RE

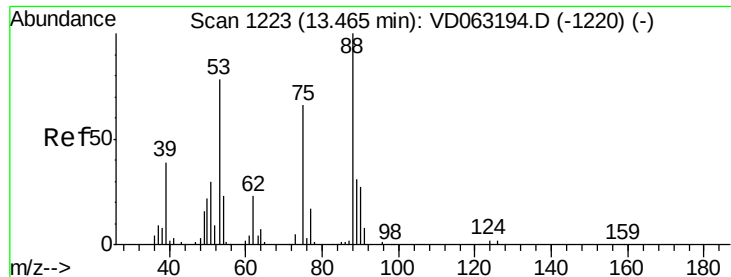
Tot Ion:117 Resp: 846285
Ion Ratio Lower Upper
117 100
82 53.6 40.1 60.1
119 29.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063261.D
Acq: 31 Jul 2019 2:27

Tgt Ion:152 Resp: 342054
Ion Ratio Lower Upper
152 100
115 59.5 27.5 82.4
150 153.6 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 114.018 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063261.D

Acq: 31 Jul 2019 2:27

Instrument :

MSVOA_D

ClientSampleId :

SP-11RE

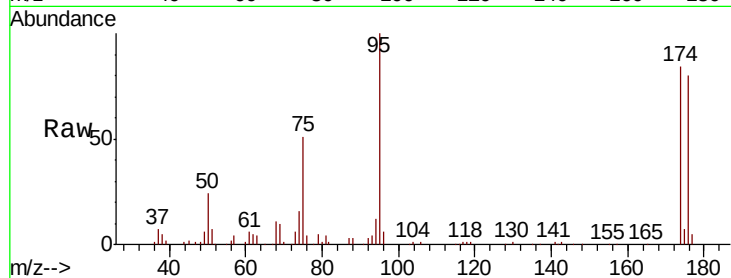
Tot Ion: 75 Resp: 130077

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

